

Math 141
EXAM 3

1. Assume that you owe 6,000\$ and that you pay at the constant rate of 120\$ per year for the first 20 months. After that you are able to increase your payments so you fully pay your debt in a total of 6.5 years. How much did you increase your payments per month after the first 20 months?

2. Assume that you and your friend are jogging in opposite directions but on the same street. You start from your house at 9am and you are jogging towards his house with a constant rate of 5mph. He starts from his house at 9 : 30am and he meets you at 10 : 10am. If he is jogging at the rate of 4.5mph, how far away is your house from his?

3. You are back jogging with your friend of Problem 2. But now he starts from a bakery 8 miles away from your house the same time as you start.

a) If you meet at 10am, what time did you start?

b) How far away from your house do you meet?

4. Make a graph with time on the horizontal axis and distance on the vertical axis that describes Problem 3.